AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1, 3, and 6-9 as shown below.

This list of claims will replace all prior versions and lists of claims in the application.

1. (Currently Amended) A method for automatically entering into a secure communication mode in a wireless communication terminal, comprising the steps of:

a) storing a voice signal outputted from a vocoder of the wireless communication terminal ~~signal~~ for a predetermined time;

b) selecting at least one of the voice signal values among which the occurrence of generation is lower than a threshold value[[,]] to generate a token header data;

c) combining token header data of variable lengths to form a token header and generating a token including the token header, the token header data having the lowest occurrence of generation among voice data outputted from [[a]] the vocoder of the wireless communication terminal;

d) at a transmission terminal, receiving a request for a secure communication from a user and transmitting the token to a reception terminal; and

e) at the transmission terminal, entering into a secure communication mode based on an acknowledge token ~~transmitted~~ received from the reception terminal, and performing secure communication with the reception terminal.

2. (Previously Presented) The method as recited in claim 1, wherein the token includes a data having the lowest generation occurrence among the data of voice packet data outputted from the vocoder as a token header.

3. (Currently Amended) The method as recited in claim 1, wherein the token is shorter

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than the maximum length of the <u>voice</u> data outputted from the vocoder.

4. (Original) The method as recited in claim 3, wherein the token includes a key used in an encryption algorithm for the secure communication.

5. (Previously Presented) The method as recited in claim 1, wherein in the step d), the token is transmitted repeatedly a predetermined number of times.

6. (Currently Amended) The method as recited in claim 5, wherein in the step d), the repeated transmission of the token stops when the acknowledge token ~~transmitted~~ from the reception terminal is received.

7. (Currently Amended) The method as recited in claim 1, further comprising the steps of:

f) at the reception terminal, ~~checking out if~~ <u>receiving</u> the token transmitted from the transmission terminal ~~is received~~, and transmitting [[the]] <u>a</u> token formed in <u>accordance with</u> the step <u>c)</u> [[a)]] as [[an]] <u>the</u> acknowledge token to the transmission terminal; and

g) at the reception terminal, entering into [[a]] <u>the</u> secure communication mode and performing secure communication with the transmission terminal.

8. (Currently Amended) The method as recited in claim 7, wherein the step f) includes the step of:

h) ~~checking out if~~ <u>comparing</u> a session key generated in the transmission terminal and included in the token ~~is matched~~ with a session key generated in the reception terminal using a master key.

9. (Currently Amended) A computer-readable recording medium for recording a

program that implements a method for automatically entering into a secure communication

mode in a wireless communication terminal provided with a processor, comprising the steps of:

a) combining token header data of variable lengths to form a token header and

generating a token including the token header, the token header data having the lowest

occurrence of generation among voice data outputted from a vocoder of the wireless

communication terminal;

b) at a transmission terminal, receiving a request for a secure communication from a

user and transmitting the token to a reception terminal; and

c) at the transmission terminal, entering into a secure communication mode based on an

acknowledge token ~~transmitted~~ <u>received</u> from the reception terminal, and performing secure

communication with the reception terminal.

10. (Previously Presented) The method of claim 1, further comprising:

combining the token header data to form the token header of a predetermined length.